

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>943</b>	<b>FOR FURTHER ACTION</b>		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. <b>PCT/IL2004/001095</b>	International filing date (day/month/year) <b>30/11/2004</b>	(Earliest) Priority Date (day/month/year) <b>30/11/2003</b>	
Applicant  <b>YEDA RESEARCH AND DEVELOPMENT LTD.</b>			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☒ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☒ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 5

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL2004/001095

## Box No. 1 Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
  - a. type of material
    - ☒ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material
    - ☒ in written format
    - ☒ in computer readable form
  - c. time of filing/furnishing
    - ☒ contained in the international application as filed
    - ☒ filed together with the international application in computer readable form
    - ☐ furnished subsequently to this Authority for the purpose of search
2. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

International Application No  
PCT/IL2004/001095

IPC 7 C07K16/40 A61P37/00 G01N33/50 A61K39/395 A61K31/7088

IPC 7 C07K

EPO-Internal, BIOSIS, EMBASE, WPI Data, PAJ, Sequence Search, CHEM ABS Data

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/087380 A. (YEDA RESEARCH AND DEVELOPMENT CO.LTD; WALLACH, DAVID; RAMAKRISHNAN, PA) 23 October 2003 (2003-10-23) claims 43-49	44,59
X	----- CHRISTMAN J W ET AL: "Nuclear factor kappa B: a pivotal role in the systemic inflammatory response syndrome and new target for therapy." INTENSIVE CARE MEDICINE. NOV 1998, vol. 24, no. 11, November 1998 (1998-11), pages 1131-1138, XP002349293 ISSN: 0342-4642 page 1134, right-hand column, last paragraph	11-16, 18-20, 39-43,59
Y	----- -/--	17,35

☒ Patent family members are listed in annex.

**\*8\*** document member of the same patent family

02/11/2005

Ulbrecht, M

## INTERNATIONAL SEARCH REPORT

International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>LIN X ET AL: "MOLECULAR DETERMINANTS OF NF-KAPPAB-INDUCING KINASE ACTION"  MOLECULAR AND CELLULAR BIOLOGY, AMERICAN SOCIETY FOR MICROBIOLOGY, WASHINGTON, US, vol. 18, no. 10, October 1998 (1998-10), pages 5899-5907, XP002920401  ISSN: 0270-7306  abstract</p>	17,35
A	<p>WO 97/37016 A (YEDA RESEARCH AND DEVELOPMENT CO. LTD; WALLACH, DAVID; MALININ, NIKOLA)  9 October 1997 (1997-10-09)  page 16, line 21 - line 27  claim 48  page 34, line 29 - page 36, line 36</p>	48-58
A	<p>WO 98/54323 A (DANA-FARBER CANCER INSTITUTE) 3 December 1998 (1998-12-03)  the whole document</p>	45,46
A	<p>US 5 843 721 A (ROTHER ET AL)  1 December 1998 (1998-12-01)  the whole document</p>	1-59
A	<p>XIAO GUTIAN ET AL: "NF-kappaB-inducing kinase regulates the processing of NF-kappaB2 p100"  MOLECULAR CELL, vol. 7, no. 2, February 2001 (2001-02), pages 401-409, XP002349294  ISSN: 1097-2765  page 402, right-hand column, last paragraph - page 403, left-hand column, last paragraph  figure 2d</p>	1-59
A	<p>YIN L ET AL: "Defective lymphotoxin-beta receptor-induced NF-kappaB transcriptional activity in NIK-deficient mice."  SCIENCE. 16 MAR 2001, vol. 291, no. 5511, 16 March 2001 (2001-03-16), pages 2162-2165, XP002349295  ISSN: 0036-8075  cited in the application  the whole document</p>	1-59

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IL2004/001095

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 21-38  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 21-38 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL2004/001095

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03087380	A	23-10-2003	AU 2003222415 A1	27-10-2003
			AU 2003226607 A1	27-10-2003
			CA 2482387 A1	23-10-2003
			CA 2482718 A1	23-10-2003
			EP 1499724 A1	26-01-2005
			EP 1499729 A1	26-01-2005
			WO 03087374 A1	23-10-2003
			JP 2005525113 T	25-08-2005
WO 9737016	A	09-10-1997	AU 732793 B2	03-05-2001
			AU 2175597 A	22-10-1997
			BG 102817 A	31-05-1999
			BR 9708518 A	03-08-1999
			CA 2250085 A1	09-10-1997
			CN 1221449 A	30-06-1999
			CZ 9803183 A3	12-05-1999
			EA 4309 B1	26-02-2004
			EE 9800322 A	15-04-1999
			EP 0894130 A1	03-02-1999
			HK 1018910 A1	05-08-2005
			HU 9902429 A2	28-10-1999
			JP 2000507826 T	27-06-2000
			NO 984551 A	24-11-1998
			NZ 331902 A	28-02-2000
			PL 329218 A1	15-03-1999
			SK 136198 A3	07-05-1999
WO 9854323	A	03-12-1998	US 6010853 A	04-01-2000
US 5843721	A	01-12-1998	AU 724178 B2	14-09-2000
			AU 8382098 A	25-01-1999
			CA 2295999 A1	14-01-1999
			EP 1012174 A1	28-06-2000
			JP 2001510348 T	31-07-2001
			US 5844073 A	01-12-1998
			US 5854003 A	29-12-1998
			WO 9901471 A1	14-01-1999